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Paul, H.F. [CA/CA]; R.R.#1, Bogner, Ontario N0H 1E0
(CA). MEYER, Charles, Fredrich [CA/CA]; 105-1935
9th Avenue, Owen Sound, Ontario K4K 6B6 (CA).

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(74) Agent: SCHNURR, Daryl, W.; c/o Miller Thomson LLP,
700, 22 Frederick Street, P.O. Box 578, Kitchener, Ontario
N2G 4A2 (CA).

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(71) Applicant (for all designated States except US): NEW
WORLD GENERATION INC. [CA/CA]; 232-8th Street
East, Owen Sound, Ontario N4K 5P5 (CA).

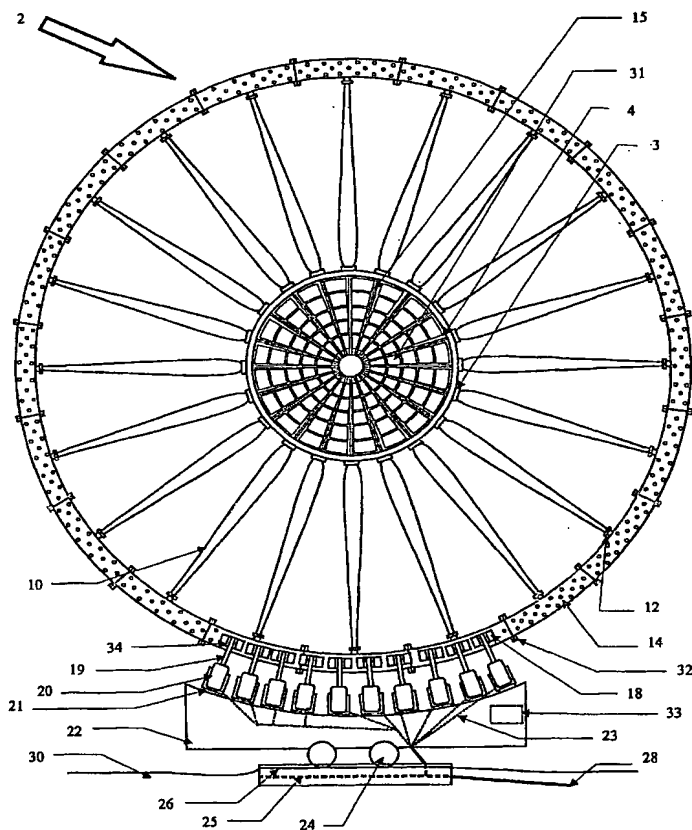
(72) Inventors; and

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(75) Inventors/Applicants (for US only): MERSWOLKE,

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(54) Title: WIND TURBINE WITH FRICTION DRIVE POWER TAKE OFF ON OUTER RIM



(57) Abstract: A wind turbine has multiple blades (10) that are mounted on a shaft (19) with a ring around a circumference of the blades. There are tires (18) that are arranged to be in contact or out of contact with the ring. The tires draw generators when the tires are in contact with the ring and the ring is rotating. A controller monitors the wind conditions and controls the turbine to produce electricity or other-energy output or to shut down if the wind falls below a predetermined level.



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